

円とおうぎ形 計算練習

NO.1

名前

/ 13 点

1 約分しなさい。

① $\frac{60}{360}$

② $\frac{20}{360}$

③ $\frac{55}{360}$

④ $\frac{85}{360}$

⑤ $\frac{150}{360}$

⑥ $\frac{260}{360}$

2 次の計算をしなさい

① $5 \times \frac{30}{360}$

② $9 \times \frac{100}{360}$

① $4^2 \times \frac{30}{360}$

② $7^2 \times \frac{115}{360}$

3 次の方程式を解きなさい

① $12 \times \frac{x}{360} = 6$

② $10 \times \frac{x}{360} = 9$

③ $2\pi \times 10 \times \frac{x}{360} = 8\pi$

解答

1

$$\textcircled{1} \quad \frac{1}{6}$$

$$\textcircled{2} \quad \frac{1}{18}$$

$$\textcircled{3} \quad \frac{11}{72}$$

$$\textcircled{4} \quad \frac{17}{72}$$

$$\textcircled{5} \quad \frac{5}{12}$$

$$\textcircled{6} \quad \frac{13}{18}$$

2

$$\textcircled{1} \quad 5 \times \frac{30}{360} = \frac{5}{12}$$

$$\textcircled{2} \quad 9 \times \frac{100}{360} = \frac{5}{2}$$

$$\textcircled{3} \quad 16 \times \frac{30}{360} = \frac{4}{3}$$

$$\textcircled{3} \quad 49 \times \frac{115}{360} = \frac{1127}{72}$$

3

$$\textcircled{1} \quad x = 6 \times 360 \times \frac{1}{12} = \frac{180}{1} = 180$$

$$\textcircled{2} \quad x = 9 \times 360 \times \frac{1}{10} = \frac{324}{1} = 324$$

$$\textcircled{3} \quad x = 8 \times 360 \times \frac{1}{20} = \frac{144}{1} = 144$$